

**Abstract of the Disclosure**

A subcutaneous port catheter system includes a reservoir defining a chamber therein. The catheter system also includes a guide catheter attached to the reservoir. The guide catheter has a guide lumen and a distal guide orifice.

- 5 The catheter system further includes an inner catheter attached to the reservoir. The inner catheter is positioned within the guide lumen and extends through the distal guide orifice. A method of advancing fluid into a blood vessel of a body of a patient is also disclosed.

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